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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,963	01/05/2007	Toshihiro Iwakuma	292658US0PCT	9738
22850	7590	03/11/2010		
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, L.L.P.				EXAMINER
1940 DUKE STREET				NGUYEN, VU ANH
ALEXANDRIA, VA 22314				ART UNIT
				PAPER NUMBER
				1796
NOTIFICATION DATE		DELIVERY MODE		
03/11/2010		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/582,963	Applicant(s) IWAKUMA ET AL.
	Examiner Vu Nguyen	Art Unit 1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-8 is/are pending in the application.
 - 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 1-5 and 8 is/are rejected.
- 7) Claim(s) 6 and 7 is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement (PTO/US/02) Paper No(s)/Mail Date See Continuation Sheet
- 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. ____.
- 5) Notice of Informal Patent Application
- 6) Other: ____.

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :09/12/2006, 09/14/2006, 03/28/2007, 12/03/2007, 01/14/2008 and 04/23/2008.

DETAILED ACTION

Specification

1. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

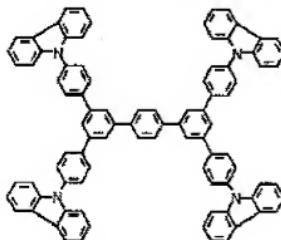
Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

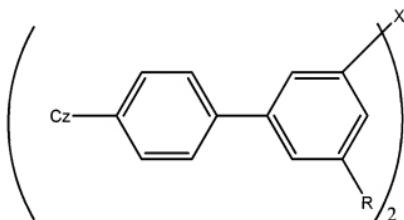
A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
3. Claims 1-5 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Fujino et al. (JP 2000-186066 A). *Notes: The followings are based on the machine translation version of the Japanese patent document.*
4. Corresponding to the limitations set forth in these claims, Fujino et al. discloses an organic EL device comprising at least one organic layer sandwiched between an anode and a cathode (claim 6), wherein said organic layer comprises an amino compound selected from a large groups of compounds (pages 14-31). A significant number of these compounds read on the compound represented by formulae (1) and

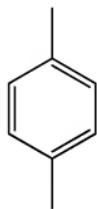
(1') in claims 1 and 2. For example, one such compound has the following structure (see compound 24 on page 22):



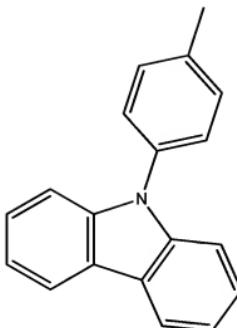
This compound can be viewed as:



wherein Cz is carbazole, X is the following:



and R is the following:



Since the R₂ group in the claimed compound includes "an aryl group having 6 to 40 carbon atoms and further may have a substituent" and since the prior art R group above satisfies that definition, the prior art compound reads on the compound represented by formulae (1) and (1') in claims 1-3. In certain embodiments, the disclosed amino compound is used in the emission layer of the device in the form of a mixture with a luminescence material [0072-0073], where the luminescence material can be used as a dopant (last line of [0083]. See also [0122] and [0124]). Thus, the amino compound inherently serves as a host material in the emission layer. In at least one embodiment, the device further comprises an electron injection layer positioned between the cathode and the emission layer [0071]. The electron injection layer comprises material that includes oxadiazole [0088], which is a nitrogen atom-containing ring derivative.

Allowable Subject Matter

5. Claims 6 and 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
6. The following is a statement of reasons for the indication of allowable subject matter: Fujino et al. fails to teach an emitting layer comprising a host material and a phosphorescent material. The luminescence materials disclosed in paragraph [0082] are well-known fluorescent dyes. Fujino et al. also fails to teach the limitations recited in claim 7.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vu Nguyen whose telephone number is (571)270-5454. The examiner can normally be reached on M-F 7:30-5:00 (Alternating Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Vu Nguyen
Examiner
Art Unit 1796

/David Wu/
Supervisory Patent Examiner, Art Unit 1796